abcam

ab125938

Rabbit IgG, monoclonal [SP137] - isotype control

Rabbit IgG, monoclonal [SP137] - isotype control (ab125938) is a rabbit monoclonal antibody used in **Western Blot, Flow Cytometry (Intra), IHC-P, ICC/IF**.

- Biophysical QC for unrivalled batch-batch consistency
- Over 20 publications

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.6 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	SP137
Purification technique	Affinity purification Protein A/G
Concentration	0.167 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from TCS by protein A/G.

Reactivity data

Application	ICC/IF
Reactivity	Reacts
Dilution info	-

Notes	-

Application	IHC-P
Reactivity	Reacts
Dilution info	-
Notes	-

Application	Flow Cyt (Intra)
Reactivity	Reacts
Dilution info	-
Notes	-

Application	WB
Reactivity	Reacts
Dilution info	-
Notes	-

Target data

See full target information Rabbit IgG Fc

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Rabbit IgG, monoclonal [SP137] - isotype control (ab125938) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Immunohistochemistry (IHC-P), Immunocytochemistry/immunofluorescence (ICC/IF).

Collaboration
Anti-Rabbit IgG, monoclonal [SP137] - isotype control (ab125938) is a clone from the portfolio of Spring Bioscience (Roche) SP clones which have been optimised for immunohistochemistry (IHC).

Trusted by the scientific community
Anti- Rabbit IgG, monoclonal [SP137] - isotype control (ab125938) was first used in a scientific publication in 2012 and has been cited over 20 times in peer-reviewed journals.

Other related products
We have a range of other formats of antibody clone [SP137] also available for your convenience: ab125938, Carrier free - ab208334, Alexa Fluor® 488 - ab270142, HRP - ab270144, ab279568

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

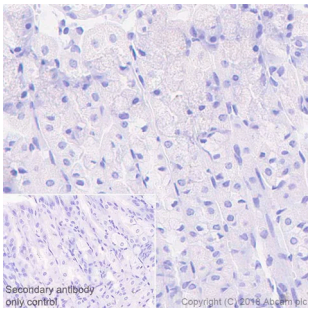
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

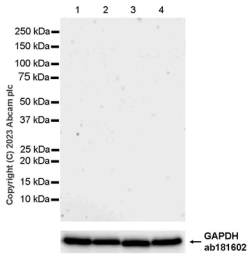
7 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti- antibody

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse stomach tissue sections labeling Rabbit IgG with ab125938 at 1/100 dilution (2.02 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) was used as the secondary antibody.
Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Western blot staining using rabbit Anti- antibody

Negative Control.

Blocking and dilution buffer and concentration: 5% NFDM/TBST

In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution.

Lane 1:
HeLa (human cervical adenocarcinoma epithelial cell) whole cell lysate at 20 µg

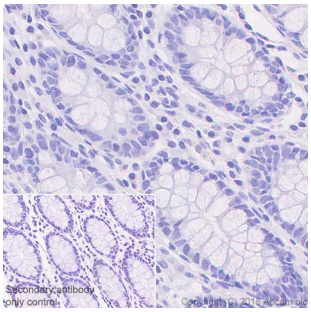
Lane 2:
293T (human embryonic kidney epithelial cell) whole cell lysate at 20 µg

Lane 3:
NIH/3T3 (mouse embryonic fibroblast) whole cell lysate at 20 µg

Lane 4:
PC-12 (rat adrenal gland pheochromocytoma cell) whole cell lysate at 20 µg

Secondary

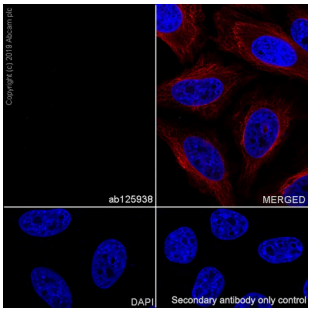
All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti- antibody

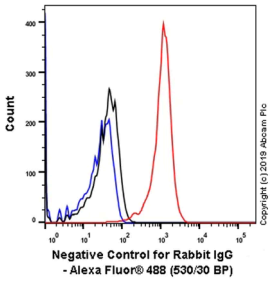
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue sections labeling Rabbit with ab125938 at 1/100 dilution (2.02 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) was used as the secondary antibody.
Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Immunocytochemistry/ Immunofluorescence staining using rabbit Anti- antibody

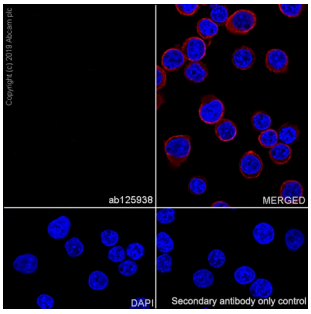
Immunocytochemistry/ Immunofluorescence analysis of HeLa (human cervix adenocarcinoma epithelial cell) cells showing staining with purified ab125938 at 1:20 (10 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

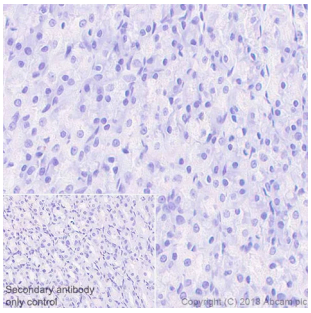
Flow Cytometry analysis of Jurkat (human acute T cell leukemia) cells labeling EPF with ab108611 at 1:100 dilution (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (ab125938) at 1:20 dilution (10.1 µg/ml)/ Black. Unlabeled control - Unlabelled cells / blue.



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Immunocytochemistry/ Immunofluorescence staining using rabbit Anti- antibody

Immunocytochemistry/ Immunofluorescence analysis of Jurkat (human T cell leukemia T lymphocyte) cells showing staining with purified ab125938 at 1:20 (10 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [SP137] - isotype control (ab125938)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti- antibody

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat stomach tissue sections labeling Rabbit with ab125938 at 1/100 dilution (2.02 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) was used as the secondary antibody.
Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.